

BERENOV, D.I.; PETUKHOV, P.Z., doktor tekhnicheskikh nauk, retsenzent;
~~ZHEZHKO~~, V.S., inzhener, retsenzent; PISKUNOV, A.I., inzhener, redaktor.

[Calculating the endurance of machines; method of calculating length of service] Raschet mashin na prochnost'; metod rascheta na dolgovechnost'. Sverdlovsk, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry [Uralo-Sibirskoe otd-nie] 1953. 108 p. (MLRA 7:6)
(Metals--Testing) (Machinery--Design)

BERENOV, A.I.

PERETS, Vladimir Borisovich; BERENOV, A.I., red.; LUCHKO, Yu.V., red. izd-vo;
ZEF, Ye.M., tekhn. red.

[Methods for improving the electric lighting of industrial enterprises] Puti uluchsheniia elektricheskogo osveshcheniia promyshlennykh predpriatii. Sverdlovsk, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, Sverdlovskoe otd-nie, 1958. 128 p. (MIRA 11:12)

(Electric lighting)

BERENKEY, Kornel, dr.; KISBAN, Jeno, dr.

Intestinal obstruction in pregnancy with recovery. Orv. hetil.
96 no.48:1341-1343 27 Nov 55.

1. A Tatai Megyei Kórház Szülészeti és Szélesített Osztályának
(igazgató: Kabdebó József dr.) közleménye.

(INTESTINAL OBSTRUCTION, in pregnancy,
recovery)

(PREGNANCY, complications,
intestinal obstruct., recovery)

BERENKEY, Kornei, dr.; SZABO, Zsolt, dr.

Holocardius. Magy. noorv. lap. 18 no.6:377-378 Nov 55.

1. A Tatabányai Megyei Korház szuleszeti es korbonctani
osztalyainak kozlemenye (Igazgato: Kabdebo, Jozsef dr.).

(MONSTERS

holocardius acephalus with premature normal twin.)

BERENKEY, Kornel dr.

Implantation of follicle hormone crystals. *Magy. noorv. lap.*
18 no.1:53-62 Jan 55

1. A tatabányai megyei kórház közleménye (Igazgató: Kabdebo,
József dr.)
(ESTROGENS, therapeutic use
implantation of crystals in various dis. (Hun)

BERENKEY, K.; KIBEDI, T.; BOGDAN, J.

Pharmacological and clinical experiences with myanesin. Orv. hetil.
92 no.19:596-598 13 May 1951. (CLML 24:2)

1. Doctor for Berenkey and Kibedi. 2. Obstetric and Gynecologic Clinic
(Director -- Prof. Dr. Janos Batizfalvy) and Institute of Pharmacology
(Director -- Prof. Dr. Miklos Jancso), Szeged University.

BERENKAY, K;BUKOVINSZKY, L. A.

Radium therapy of benign metrorrhagia. Magy. noorv. lap.,
13 no.8:277-284 Aug. 1950. (CJML 20:1)

1. Obstetric and Gynecologic Clinic (Director — Dr. Janos
Batisfalvy). Szeged University.

SHUL'MAN, S.S.; BERENIUS, Yu.N.; ZAKHAROVA, E.A.

Parasites of local schools of some fishes in Lake Syamozero.
Trudy Kar.fil.AN SSSR no.14:47-71 '59. (MIRA 15:12)
(Syamozero, Lake—Parasites—Fishes)

BERENIS, A.A.; GEVRIK, Ye.A.; OGBROK, L.E.; OGBROK, L.E.

Semiautomatic line for polishing front legs of bent chairs. Ed.
i der. prom. no.3:17-19 J1-S '64. (MIRA 17:11)

MIKHEYEV, I.I.; BERENIS, A.A.; GEVRIK, Ye.A.; OGUROK, I.A.

Centerless grinding machine for polishing the front legs of bent chairs. Bum. i der. prom. no.3:46-48 J1-S '63. (MIRA 17:2)

1. L'vovskiy lesotekhnicheskiy institut (for Mikheyev, Berenis, Gevrik). 2. L'vovskaya fabrika gnutoy mebeli (for Ogurok).

BATIN, I.V.; GEVRIK, Ye.A.; BERENIS, A.A.

Mechanisms of feeding polishing machines. Bum. i der. prom.
no.4:3-6 O-D '63, (MIRA 17:3)

1. L'vovskiy lesotekhnicheskii institut.

I 44749-66

ACC NR: AP6032887

SOURCE CODE: HU/0012/65/013/008/0248/0249

AUTHOR: Berenyi, L.--Bereni, L.

ORG: none

25
B

TITLE: Automation of titration

SOURCE: Meres es automatika, v. 13, no. 8, 1965, 248-249

TOPIC TAGS: titrimetry, automation

ABSTRACT: The new line of automatic titration instruments made by the Bran & Lubbe instrument works in Hamburg, Germany, was described briefly on the basis of the information provided by Kahmann, [initial(s) not given], Engineer, of that company. The items described were the Titrometer (modular titration unit), the Chronodos (sample metering device), and the Titrodes (titrating solution dispensing unit). All three instruments were illustrated by photographs. Orig. art. has: 3 figures. [JPRS]

SUB CODE: 13, 07 / SUBM DATE: 03Jul64

Card 1/1 mjs

0925 0404

BERENI, Laszlo

Oil production of Angola has increased. Bany lap 98 no.1:
4 Ja '65.

Oil prospecting concessions in the Gulf of Suez. Ibid.:4

A bypass oil pipeline is constructed on the shore of the Lake
of Constance. Ibid.:4

An oil pipeline is planned between Strasbourg-Metz-Nancy.
Ibid.:4

Natural gas prospecting continued in Northern Holland.

BERENGILOVA, V.V.; BERENGILOV, V.I.

Using screw separators in the sampling of placer rare-metal
deposits. Razved. i okh. nedr 29 no.6:18-25 Je '63.

(MIRA 18:11)

1. Tsentralizovannaya poiskovo-revizionnaya ekspeditsiya
Geologo-geokhimicheskogo tresta.

A New Type of Aluminum Deposit

SOV/132-58-12-2/14

ASSOCIATION: Glavgeologiya pri Sovete Ministrov RSFSR (Main Geological -
Prospecting Administration, Ministers of the RSFSR)
There are 3 references, of which 2 are English and 1 is Soviet.

Card 2/2

AUTHORS: Berengilova, V.V. and Fedorov, Ye.Ye. SOV/132-58-12-2/14

TITLE: A New Type of Aluminum Deposits (Novyy tip mestorozhdeniy aluminiya)

PERIODICAL: Razvedka i okhrana nedr, 1958, Nr 12, pp 10-17 (USSR)

ABSTRACT: The authors describe a new type of aluminum deposit discovered near the town of Kyakhta, in the Southern part of the Transbaykal region. The deposits are composed of rutile-bearing sillimanite schists from which sillumin and aluminum can be extracted by the electrothermal melting process. The Kyakhta ore field is composed of a series of separate deposits, but on the whole the reserves of sillimanite-containing schists are practically unlimited. These schists also contain large reserves of ores from which, in the concentration process, rutile and pyrite can be extracted. Moreover, the sillimanite schists of the Kyakhta region are an excellent refractory, acid proof and electroceramic raw material. There are 2 sketches, 1 map, 1 table and 3 Soviet references.

Card 1/2

MITROFANOV, B.Ye.; HERENGILOVA, V.V.

Kyakhta rutile-bearing sillimanite shale deposit. Trudy Vost.-Sib.
fil. AN SSSR no.13:39-46 '58. (MIRA 12:12)

1.Selenginskaya poiskovo-razvedochnaya partiya tsentralizo-
vannoy ekspeditsii tresta No.1 Ministerstva tsvetnoy metallurgii
SSSR.

(Kyakhta District--Sillimanite)

(Kyakhta District--Rutile)

BERENGILOVA, V.V.

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BERENGILOVA, V.V.; BERENGILOV, V.I.

Using screw separators in the sampling of placer rare-metal
deposits. Razved. i okh. nedr 29 no.6:18-25 Je '63.
(MIRA 18:11)

1. TSentralizovannaya poiskovo-ravizionnaya ekspeditsiya
Geologo-geokhimicheskogo tresta.

BERENGHI, St., ing.; GROZA, L., ing.; CONSTANTINESCU, E., ing.

Problems discussed by the Working Groups during the Sessions of
the International Conference on Large Electric Systems.
Energetica Rum 11 no.3:102-112 Mr '63.

COUNTRY :
OF ORIGIN : CULTIVATED PLANTS.

ABST. FOUR. : REF ZHUR - ECOLOGIYA, NO. 4, 1959, 111, 11000

AUTHOR :
INSTR :

DATE :

ORIG. IRR. :

ABSTRACT : It is expedient to sow RF, TG and PR under a cover of two-row barley. The duration of the period of use for seed is not above 3 years. The wetting of DG and MF seeds before sowing hastens the appearance of sprouts by 3 to 5 days, but does not yield a gain to the harvest. Best sowing with 60 x 60 cm spacing gave a crop practically close to the row sowing. 60 cm spacing between rows and cannot be recommended because of the higher net cost of seed production. -- M.V. Lianishnikov

CARD: 2/2

BERENGHI I.

COUNTRY: Romania
 CATEGORY: CULTIVATED PLANTS, Pasture Grasses and Roots.
 AGR. JOUR.: REF ZHUR - BIOLOGIYA, NO. 4, 1959, No. 15683
 AUTHOR: Apostol, Th.; Balan, G.; Balasoiu, A.;
 INST.: Berenghi, I.; Buda, L.; Popa, Th.
 TITLE: Methods of Growing Perennial Grasses for
 Seeds.

ORIG. JOUR.: An. Inst. cercetari agron., 1957, 24, No. 5,
 179-194

ABSTRACT: In the agricultural research institute of Romania during 1950 to 1954 at six experimental stations, the highest seed crops of dew grass (DG), meadow fescue (MF), timothy grass (TG), pasture ryegrass (PR) and tall oatgrass (TO) were obtained in broad-row sowing (45 to 60 cm between rows) with seedling quota of 15 to 20 kg/h for DG, MF and PR, 7 to 8 kg/h for TO and 7.5 to 9.5 kg/h for TO. In a number of regions

QATD: 1/2

Study of the chlorination ...

S/136/62/000/004/001/004
E021/E435

possible to lower the carbon content of the coke briquettes from 18 - 20 to 12 - 13% (using concentrated chlorine) which permits reducing the quantity of furnace ash by a factor of about five, increasing the production of the furnace, decreasing the consumption of coke by 30% and increasing the coefficient of utilization of the working space by 6%.
There are 1 figure and 3 tables.

Card 2/2

S/136/62/000/004/001/004
E021/E435

AUTHORS: Berengard, A.S., Vil'komirskiy, I.Ye.,
Kozhemyakin, V.A., Sedykh, T.S., Yerokhina, O.I.

TITLE: Study of the chlorination of loparite concentrate

PERIODICAL: Tsvetnyye metally, no.4, 1962, 56-61

TEXT: Results are given of investigations carried out to improve the process of chlorination of a loparite concentrate by using the apparatus for "dry" fractional condensation of the volatilizable chlorides. The loparite ore used contained 36.2 to 36.5% TiO_2 , 8.45 to 8.55% Nb_2O_5 , 0.55 to 0.57% Ta_2O_5 , 28.64 to 31.18% total rare earths, 1.5 to 3.04% Fe_2O_3 , 0.87 to 4.76 % Al_2O_3 , 2.5 to 5.87% SiO_2 , 9.86% $\text{Na}_2\text{O} + \text{K}_2\text{O}$, 5.94 to 7.92% CaO , 0.15% P. A dry method is superior to a wet method because, for separation of the pulp, there is no need to use complex apparatus which has to operate inside aggressive media. The ore is crushed, briquetted with coke and chlorinated. It is shown that for chlorination it is possible to use a chlorine-air mixture containing up to 35% air. This corresponds to the composition of anode chlorine gas. It is

Card 1/2

KOZHEMYAKIN, V.A.; BERENGARD, A.S.; FILATOVA, N.A., Prinimali uchastiye:
KHAZANOVA, T.I.; KARASEV, Yu.V.

Purification of titanium tetrachloride from zirconium iron and
aluminum chlorides in the chlorination process of titanium-
zirconium concentrates. TSvet.met. 34 no.9:70-74 S '61.
(MIRA 14:10)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut redkikh
metallov.

(Nonferrous metals--Metallurgy) (Chlorination)

Production of high-purity

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S/089/61/011/001/003/0 3
R 08/5/38

long. The operating parameters of the vessel did not change appreciably over working periods of up to three months. Ye. A. Kamenskaya is mentioned. There are 5 figures, 3 tables, and 17 references: 9 Soviet and 8 non-Soviet. The four references to English-language publications read as follows: The Metal Beryllium, ASFM, Cleveland, Ohio, 1955; P. Berham, D. Temple. Extraction and Refining of the Rarer Metals. Lond. Inst. of Mining and Metallurgy, 1957; M. Kells et al. Second Geneva Conference on Peaceful Uses of Atomic Energy, 1958, Paper No. 717; Z. Williams, P. Eyre. Nucl. Energy, 3, no. 22 (1958).

SUBMITTED: December 15, 1960

Fig. 3. Industrial furnace for chlorination.

Legend: (1) Bunker; (2) throttle valve; (3) graphite lining; (4) thermocouples; (5) graphite heater; (6) furnace jacket; (7) diabase plate; (8) foam firebrick; (9) diabase cement; (10) Dinas brick; (11) quartz brick; (12) thermocouple; (13) contact; (14) clamp device; (15) quartz face; (16) briquette mass; (17) bar; (18) top heating; (19) cap with adopter

Card 4/7

27404

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B102/B.38

Production of high-purity ...

production of pure beryllium was first studied in laboratory tests, and optimum conditions were established. Chemically pure NaCl was used in beryllium-coated nickel crucibles. The cathode also consisted of beryllium-coated nickel. Electrolysis took place at 330-350°C. The purity of the resulting beryllium, depending on the size of the crystals obtained, was 99.966% (>3mm) and 99.937% (<3mm). Pilot-plant tests were conducted in quartz crucibles holding 35 kg of electrolyte. The resulting metal was remelted in vacuum to remove impurities. The chemical analysis showed a

relatively high Ni impurity (maximum $4 \cdot 10^{-2}\%$) due to cathode corrosion. Experiments with graphic cathodes produced satisfactory results. A diagram of the electrolytic vessel used for producing Be on an industrial scale is shown in Fig. 5. Here, the temperature ranged between 320 and 340°C, and the initial cathode current density was 6.5-7.5 A/dm² (optimum). The NaCl and BeCl₂ concentrations were adjusted by additions every 24 hours, and the beryllium content in the electrolyte range from 6 at the beginning to 3.5% at the end of cycle. The metal yield was 2.0-2.2 kg of metal per vessel per day. The crystals depositing on the cathode walls were up to 60 mm

Card 3/7

2722

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B*02/B138

Production of high-purity ...

further rise in temperature had no effect. Thermal dissociation of CCl_4 begins at 600°C , and contamination by carbon is observed at 800°C . The optimum temperature range was found to be between 650 and 700°C . The optimum flow rate of CCl_4 was found to be $2.4 \text{ kg/min per m}^2$ of furnace cross section. Nickel and alloys on nickel base in Cl_2 , BeCl_2 , or CCl_4 atmospheres at temperatures up to 300°C were found to be the most convenient condenser materials. Condensers were therefore prepared from nickel. Fig. 3 gives a diagram of a chlorination furnace that has stood its test in industrial operation (25-30 days run). Both furnaces and condensers are heated in a nitrogen flow. In a pilot run (production of beryllium chloride from pure and commercial beryllium oxide) 25 tons of BeCl_2 were produced, and the following averages were obtained: CCl_4 consumption per kg of BeCl_2 : 1.6 kg; degree of condensation of BeCl_2 : 97.8%; direct beryllium yield: 85.7%, and extraction up to 96% if the residues are recycled. The mean BeCl_2 yield ranged between 80.8 and 88%, and the degree of chlorination was about 94%. Like chlorination, the electrolytic

Card 2/7

27404

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21.4000

S/089/61/011/003/003/013
B102/B136

AUTHORS: Vil'komirskiy, I. Ye., Silina, G. F., Berengard, A. S.,
Semakin, V. N.

TITLE: Production of high-purity beryllium by the chloride method

PERIODICAL: Atomnaya energiya, v. 11, no. 3, 1966, 233-239

TEXT: Chlorination of beryllium oxide with carbon tetrachloride followed by the electrolysis of the resulting beryllium chloride with NaCl is a well-known method of producing high-purity beryllium. The industrial applicability of this procedure, however, has long been questioned, and only in recent years have prospects appeared to improve. The report describes a successfully tested possibility of producing this reaction on an industrial scale. The starting material was BeO with base-metal impurities not exceeding 0.006%. Briquettes were prepared from roasted oxides with a beryllium content not below 28%. Starch paste or dextrin were used as binding agents. Filtered commercial grade carbon tetrachloride was used for chlorination. Laboratory tests showed that the chlorination rate increases with the rise in temperature 500-700°C, while

Card 1/7

Obtaining titanium and zirconium ...

S/596/62/000/000/010
DOMC/D113

Al content is 3-6%. The salt filter temperature can be lowered by 100°C by using an equimolecular mixture of sodium and potassium chlorides for the filter packing. The article includes an illustration of the suggested apparatus. There are 5 figures.

Card 3/3

Obtaining titanium and zirconium ...

S/598/61/000/005/008/010
D040/D113

chlorinator units of transparent quartz by standard chlorine preliminarily purified from humidity by blowing through sulfuric acid. The effect of temperature, quantity of reducing agent, and mesh of coke was studied. A filter of NaCl was employed in the system and proved effective, i.e. it retained up to 93.5% zirconium chlorides. The obtained $TiCl_4$ was sufficiently pure for obtaining metallic titanium after separation of vanadium and rectification. Low Cr content permitted using $TiCl_4$ for producing pigment TiO_2 . The Zr content in $TiCl_4$ did not exceed 0.01%, and $ZrCl_4$ contained only 1-2% iron and aluminum, and hundredth fractions of 1% Ti. After separation of Fe and Al, the obtained $ZrCl_4$ was suitable for obtaining metal or oxide. The following process conditions were stated as being the best: 95% ore concentrate has to be of 200 mesh and 95% petroleum coke of 100 mesh; carbon content in cokes must be 21-23%; the chlorination temperature $900^{\circ}C$; 100% Ti and 94% Zr can be extracted under optimum conditions. The temperature of the salt filter has to be $500-550^{\circ}C$ if the processed concentrates contain mainly Zr and 2-3% Fe and Al, and $400-450^{\circ}C$ if Fe and

Card 2/3

S/598/61/000/005/008/010
D040/D113

AUTHORS: Berengard, A.S., Koshenyakin, V.A., and Filatova, N.A.

TITLE: Obtaining titanium and zirconium tetrachloride when processing titanium-zirconium concentrate

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Titan i yego splavy, no. 5, Moscow, 1961. Metallurgiya i khimiya titana, 181-187

TEXT: The results of described experiments proved that $TiCl_4$ and $ZrCl_4$ can be obtained separately in chlorination of Ti-Zr ore concentrates, which means that the finishing stages of the Ti-Zr ore concentration process can be cut considerably. Details of the experimental techniques and technological recommendations are included. Concentrated ore used contained 8-11% leucocoxenized ilmenite, 11-31% rutile, and 76-47% Zr. It was produced by gravity concentration of sands and separation of magnetic ilmenite fraction. Cakes of it were prepared with petroleum coke and sulfite-cellulose liquor (standard foundry mold binder), and chlorinated in standard laboratory

Card 1/3

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204800041-6

BERENGARD, A.S.; KOZHENYAKIN, V.A.

Determining the coefficient of heat transfer in chloride residue
linings. TSvet. met. 33 no.7:87-88 J1 '60. (MIRA 13:7)
(Chlorination) (Heat--Transmission)

BERENGARD, A.S.; KOZHEMYAKIN, V.A.

Controlling the functioning of condensation units in the chlorination process. Zav.lab. 26 no.3:316-317 '60. (MIRA 13:6)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proektnyy institut
redkometallicheskooy promyshlennosti. (Chlorination)
(Metals)

BERENYARD, A. 3

[illegible]

14

BERENFEL'D, V.M.; KRONGAUZ, V.A.

Effect of the substituents separated by an aliphatic chain from the benzene ring on the optical properties of substituted benzene. Dokl. AN SSSR 162 no.6:1300-1303 Je '65. (MIRA 18:7)

1. Fiziko-khimicheskiy institut im. L.Ye. Karpova. Submitted December 9, 1964.

BERENFELDS, Valdis; VULFSONE, E., red.

[Form grinding] Profilslipesana. Riga, Latuma, 1965. 91 p.
[In Latvian] (MIRA 18:6)

BERENFELD, V.M.; YAKHONTOV, I.M.; YAMBURTSEV, B.A.; KRASHNOKUTSKAYA, D.M.;
YATSENKO, S.V.; RUBTSOV, M.V.

Synthesis of substituted 4-(8-diethylamino-(6-methylbutylamino)
2-styrylquinolines. Zhur.ob.khim. 32 no.7:2169-2177 J1 '62.
(MIRA 15:7)

1. Vsesoyuznyy nauchno issledovatel'skiy khimiko-farmatsevticheskiy
institut imeni S.O.Ordzhonikidze.
(Quinoline)

BURENEK, R.

Denervation atrophy and reinnervation in various skeletal muscles in rats. p.166.
(Ceskoslovenska Fysiologie, Vol. 6, No. 2, 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) IC. Vol. 6, No. 9, Sept. 1957. Incl.

ACC NR: AP7001082

of contact within a given marmot population (and the number of fleas exchanged) depends numerically on the distribution of marmots, their population structure (number and location of occupied burrows), and the number of fleas. Under the following field conditions — sparse marmot population, large number of fleas, many empty burrows — fleas were more widely dispersed (360 m in 30 days) and more frequently exchanged among animals. With a dense population of marmots and relatively few fleas, fleas were found only 120—180 m away from the release point in 30 days. The most frequent contacts were observed among marmots living on the boundary of landscape areas; their movements into areas with more favorable food conditions were traced visually and using the tags. It was shown that in summer, when the animals successively inhabit empty burrows in a neutral zone, fleas are transferred among different marmot groups. It was concluded that the tagging of marmots and fleas is a most promising method of modeling plague epizootics in these animals. Orig. art. has: 3 tables and 3 figures.

[WA-50; CBE No. 14]

[JS]

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 013

Card 2/2

ACC NR: AP7001082 (H,N) SOURCE CODE: UR/0439/66/045/003/0430/0435

AUTHOR: Berendyayeva, E. L.; Bibikov, D. I.; Rapoport, L. P.; Popov, V. K.; Varivodina, T. A.

ORG: Kirghiz Anti plague Station, Frunze (Kirgizskaya protivochumnaya stantsiya); Central Asian Anti plague Station, Alma-Ata (Sredneaziatskiy protivochumnyi institut)

TITLE: Experience of studying contacts within a population of Altai marmots by means of radioactive tagging

SOURCE: Zoologicheskiy zhurnal, v. 45, no. 3, 1966, 430-435

TOPIC TAGS: parasitology, animal parasite, marmot, flea, BIOLOGIC
ECOLOGY

ABSTRACT: Marmots (*Marmota marmota baibacina*) collected in Central Tyan'-Shan' in the summer of 1962 and 1963 were tagged with subcutaneous injections of S35 or P32 (in doses of 1 µcu or 0.5 µcu, respectively, per kg of weight). Contacts among marmots were traced by counting tagged fleas from untagged animals after 30-42 days. In one collection, 118 out of 140 fleas collected had bitten tagged marmots. Fleas tagged with a surface application of the isotopes were also used. Some were found 109 m from their release points after 23 days, and a maximum of 500 m away after 42 days. The study showed that the degree

Card 1/2

UDC: 599.322.2:578.084.2:611-018-0.88.91

BGYTOVA, S.I.; BIBIKOVA, V.A.; BERENDYAYEVA, E.L.

A new species of gamasid mites *Haemogamasus bifurcatus* sp.n.
from the Tien Shan. Zool. zhur. 43 no.1:136-138 '64
(MIRA 17:7)

1. Central Asiatic Research Anti-Plague Institute, Alma-Ata.

BERENDYAYEVA, E. L. and KUL'KOVA, N. A.

"The Fauna of Gamasidae Ticks in Rats in Tyan'-Shan' Oblast."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Kirghiz Republic Anti-Plague Station, Frunze

SHVARTS, Ye.A.; GREBENYUK, R.V.; BERENDYAYEVA, M.L.

Material on the Aphaniptera of Dzhahalal-Abad Province. Trudy Inst.
zool.i paraz.AN Kir.SSR no.7:211-218 '59. (MIRA 13:4)
(Dzhahalal-abad Province--Fleas)

BERENDYAYEVA, P.L.

GREHENYK, R.V.; BERENDYAYEVA, E.L.

Ectoparasites of the squirrel, acclimatized in Kirghizia. Trudy Inst.
zool.i paraz.AN Kir.SSR no.4:117-119. '55. (MLRA 10:5)

(Kirghizistan--Fleas)

(Kirghizistan--Ticks)

(Parasites--Squirrels)

KLASSOVSKIY, L.N.; BERENDYAYEVA, E.I.

Study offleas of rodents in the eastern Pamirs. Izv.Otd.zool.
nauk AN Tadzh.SSR no.10:185-192 '55. (MLRA 9:10)

1. Frunzenskaya protivoepidemicheskaya stantsiya Ministerstva
zdravookhraneniya SSSR.
(Pamirs--Fleas) (Parasites--Rodentia)

REIMENDYAYEV, V.M.

Modified method of analyzing feces for helminth ova suitable
for mass examination. Med. paraz. i paraz. bol. 32 no.6:
687-688 N-D '63 (MIRA 10:1)

1. Iz laboratorii 71-go politekhnicheskogo ob"yedineniya.
Leningradskogo rayona Moskvy (glavnyy vrach A.I.Sinutkova).

BERENDYAYEV, S.A.; KUL'KOVA, N.A.

Intraspecific relationships of gray marmots *Marmota baibacina*
Kastsch. Zool. zhur. 44 no.1:110-116 '65.

(MIRA 18:4)

1. Kirgizskaya protivochumnaya stantsiya, Frunze.

BERENDYAYEV, S.A.

Structure of marmot burrows in Kirghizia. Trudy Inst.zool.i paraz.
AN Kir.SSR no.5:51-59 '56. (MLRA 10:5)
(Kirghizistan--Marmots)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204800041-6

BERENDT, V.V., inzh.; DMITRENKO, V.Ye., kand.tekhn.nauk

General laws governing the distribution of current in the electrodes
of electrochemical power sources. Elektrotehnika 36 no.2:59-60 F
'65. (MIRA 18:4)

BERENDT, V.V., inzh.; GERCHIKOV, B.A., inzh.; DMITRENKO, V.Ye., kand. tekhn.
nauk

Distribution of current in the electrodes of a silver-zinc
storage battery. Elektrotehnika. 36 no.9:41-43 S '65.
(MIRA 18:9)

ACCESSION NR: AP4024689

(Moscow), G. N. Knyazev (Khar'kov), Yu. Ye. Zakharov (Kaluga), V. M. Churkin
(Moscow), A. M. Potapov (Leningrad), V. M. Gol'drin (Moscow), M. A. Yastrebenetskiy
(Moscow), I. A. Doroshenko (Khar'kov), V. N. Baranov (Moscow), V. N. Prokof'yev
(Moscow), I. L. Kirillovskiy (Moscow), G. N. Zolotova (Moscow), V. N. Savel'yev
(Moscow), V. N. Zlakov (Podol'sk), and V. V. Solov'yev (Podol'sk). Orig. art. has:
no figure, formula, or table.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 15Apr64

ENCL: 00

SUB CODE: IE

NR REF SOV: 000

OTHER: 000

Card 3/3

ACCESSION NR: AP4024689

L. O. Khvilevitskiy (Moscow), A. A. Tagayevskaya (Moscow), V. N. Dmitriyev (Moscow), B. I. Kaplinskiy (Moscow), A. A. Abdullayev (Sumgait), Yu. S. Leytman (Sumgait), I. M. Burdenshteyn (Sumgait), G. P. Stepanov (Moscow), and Yu. I. Derenyuk (Kiev). Another group of reports about the "Pneumatic discrete (relay) techniques" was delivered by N. P. Zhivov (Moscow), Yu. V. Greydenberg (Moscow), S. A. Nikolayev (Moscow), M. D. Lemberg (Moscow), Yu. P. Zolkin (Moscow), V. A. Potyayev (Leningrad), Yu. G. Stegalichev (Leningrad), I. A. Sarkisova (Moscow), Ye. V. Gerts (Moscow), G. V. Kreynin (Moscow), M. A. Polyakova (Moscow), and V. I. Shcherbakov (Moscow). A number of reports on "Pneumatic control systems" were delivered by Sh. I. Israilov (Sumgait), A. A. Mamedov (Sumgait), K. A. Oganov (Sumgait), G. S. Podlisker (Sumgait), Ye. D. Garber (Leningrad), M. A. Gol'dinov (Moscow), N. V. Grishko (Moscow), N. G. Gorelik (Voronezh), A. A. Koloydenko (Voronezh), T. S. Podol'skiy (Voronezh), G. V. Anufriyev (Voronezh), A. I. Guzevataya (Voronezh), V. N. Sokolov (Voronezh), G. N. Yegorov (Moscow), and Ye. S. Zhuchkovskiy (Moscow). Several reports on "Hydraulic regulating equipment" were delivered by G. G. Molchanov (Moscow), V. P. Temnyy (Moscow), S. M. Titov (Moscow), V. V. Voytetskiy (Leningrad), G. A. Kirokasyants (Moscow), V. A. Martsinkovskiy (Sumy*), I. I. Tartakovskiy (Sumy*), M. B. Tumarkin (Khar'kov), and O. F. Nikitin (Moscow). Eleven reports on "Hydro actuators" were delivered by V. A. Khokhlov

Card 2/3

ACCESSION NR: AP4024689

5/0103/64/025/002/0275/0278

AUTHOR: Berends, T. K.

TITLE: Scientific and technical conference on pneumatic-hydraulic automation

SOURCE: Avtomatika i telemekhanika, v. 25, no. 2, 1964, 275-278

TOPIC TAGS: pneumatic automaton, pneumatic automation, hydraulic automaton, hydraulic automation, automation conference

ABSTRACT: The Sixth All-Union Conference organized by the Institute of Automation and Telemechanics (Moscow) and the NIPI Neftekhimavtomat (Sumgait, AzSSR) took place on 14-17 October, 1963 in Baku; 450 representatives of 43 cities and 202 organizations attended. There were 70 reports delivered. Of them, three were presented at the plenary session: "Jet techniques of supervision and control" by L. A. Zalmanzon (Moscow), "Experience with universal elements of industrial automation" by A. A. Tal' (Moscow), and "Modern hydro-automation" by V. M. Dvoretzkiy (Moscow). A group of reports about the "Means of pneumatic control" was delivered by P. M. Atlas (Moscow), A. I. Makarov (Ust' -Kamenogorsk), S. G. Agadzhanyan (Moscow), A. I. Birman (Moscow), B. S. Darkhovskoy (Moscow), O. S. Sobolev (Moscow),

Card 1/3

ACCESSION NR: AT4042433

(amplifiers, relays, resistances, capacitances, repeaters, switches, etc.) onto special plug-in boards. Credit for this new approach is given to Ferner (V. Ferner. Anschauliche Regelungstechnik. Berlin, Verlag Technik, 1960). They show how pneumatic elements can perform the various tasks usually associated with mechanical and electrical elements, and describe some of these elements in detail, with schematic diagrams of various systems for analog and digital control systems and relay systems. Special attention is given to generators, impulsors, and memory and delay units. Orig. art. has: 27 figures and 17 formulas.

ASSOCIATION: none

SUBMITTED: 29Jan64

ENCL: 00

SUB CODE: 1E

NO REF SOV: 007.

OTHER: 001

Card

2/2

ACCESSION NR: AT4042433

S/0000/64/000/000/0005/0020

AUTHOR: Berends, T. K.; Tagayevskaya, A. A.; Tal', A. A.

TITLE: Structural elements of pneumoautomatic devices and systems

SOURCE: Vsesoyuznoye soveshchaniye po pnevmo-gidravlicheskoy avtomatike. 5th, Leningrad, 1962. Pnevmo- i gidroavtomatika (Pneumatic and hydraulic control); materialy* soveshchaniya. Moscow. Izd-vo Nauka. 1964, 5-20

TOPIC TAGS: automation, automatic control system, pneumatic control system, pneumatic relay, pneumatic amplifier, pneumatic resistance, pneumatic capacitance, pneumatic repeater, pneumatic switch

ABSTRACT: Pneumatic devices have become fundamental tools in the automation of many sections of industry, such as the chemical, petroleum refining, gas, metallurgical, and lumber industries. This paper is essentially a survey of the components and assemblies of pneumatic devices which can be used in automatic control systems. The authors point out that the logical functions required in modern control systems cannot be accomplished by the devices of the AUS (Aggregate Unified System), each of which is a self-contained block, but require the flexibility of the USEPPA (Universal System of Elements for Production Pneumo-Automation) in which each new device is created by combining various universal pneumatic elements

Card

BERENDS, T.K.; YEFREMOVA, T.K.; TAGAYEVSKAYA, A.A.; TAL', A.A.

Principle of universal elements in pneumatic control systems.
Priborostroneniye no.11:3-8 N '63. (MIRA 16:12)

BEREZOVETS, G.T.; BERENDS, T.K.; DMITRIYEV, V.N., kand.tekhn.nauk

Carrying out calculating and logical operations by means of
pneumatic control. Zhur.VKHO 6 no.5:499-508 '61.

(Pneumatic control)

(MIRA 14:10)

A pneumatic output control...

S/194/61/000/008/031/092
D201/D304

is compared with that of the pure carrier-gas. The semi-conductor thermo-resistors of the detector form part of a bridge, whose unbalance is recorded in one form of a chromatogram. Chromatograms consist of separate voltage peaks corresponding to the components of the analyzed gas. The operation of the measuring section of the instrument is periodic and controlled by stabilized pulses. The magnitude of the peaks of the output voltage of the measuring section is proportional to the instantaneous concentration of the respective component of the gas in the binary mixture. In order to determine this concentration, the voltage peak is integrated in time. Addition of the integrator and of the control unit made it possible to use indirectly the chromatograph indications for controlling the gas composition. The integrator and relay elements of the control unit are based on the instruments of the pneumatic automatic control system and on those of a sampled-data pneumatic system of the Institute of Automation and Telemechanics of the AS USSR. The electrical measuring section is coupled to the pneumatic integrator by means of a compensating electro-pneumatic transducer. 3 references. [Abstractor's note: Complete translation]

Card 2/2

S/194/61/000/006/031/092
D201/D304

AUTHORS: Anders, V.R., Berenda, T.R. and Kharas, N.L.

TITLE: A pneumatic output control chromatograph XNP-10
(KhIR-1P)

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,
no. 3, 1961, 37, abstract 8 V236 (V sb. Vopr. pnev-
mo i gidroavtomatiki, M., AN SSSR, 1960, 162-166)

TEXT: A note on the design of a regulator controlling the
composition of gaseous media and based on a recording chromatograph.
The instrument operates as follows: The analyzed gas, mixed with
the carrier, is passed through a chromatographic column filled by a
special sorbent. The constituents of the analyzed gas pass through
the column with velocities depending on their adsorption properties
and appear consecutively at the output of the column as a binary
mixture with the carrier gas. Every mixture proceeds then to the
measuring element of the detector, in which its thermal conductivity ✓

Card 1/2

[illegible]

Reference to Parabolic Compressing Pressure and Rarefaction Trans-
mitters and the Transmission of Pressure

Voigts, V.Y.. Direct and Reverse Feed in Automatic Regulation Systems Composed of AOS Parametric Instruments

Disturbance	93
Hirany, V.D. Non-1 Electronic and Hydraulic Regulator	105

WILKINSON, T.D. AND CONTROL PROCESSING ASSEMBLY SYSTEM - BASE OF A COMPLEX AUTOMATION IN THE PETROLEUM REFINING INDUSTRY 123

Yellin, T. I., and M. M. Edelbacher. Construction Problems of Pneumatic Computing Solving Devices

Zalmanov, L.A., and A.I. Serdyukov. Investigation of Characteristics of
Thermally Stable Cured as Binders

Asiatic, T.R., T.L. Berends, and W.J. Everts. KnPB-1P Regulating
Regulator in Cows with Several Regulating Components 158

Processes According to the Thermal Effect of the Reaction

THE CZECH DEMOCRATIC REPUBLIC AND CZECHOSLOVAKIA

Yerner, V. (USSR). Components of Automatic Regulators 180

27

[illegible]

BERENDS, T.K.

- 28(1) PHASE I BOOK EXPLOITATION SOV/2702
Akademiyu nauk SSSR. Institut avtomatiki i telemekhaniki.
Seminar po pnevmogidravlicheskoy avtomatike. 1st. Moscow, 1957
Sistemy ustroystva i elementy pnevm. i gidravlichesk. avtomatiki
(Pneumatic and Hydraulic Control Systems and Elements of Pneumatic
Automation: Collection of Papers) Moscow, Izd-vo AN SSSR,
1959. 233 p. Errata slip inserted. 2,700 copies printed.
- Resp. Ed.: M. A. Ayzerman, Doctor of Technical Sciences, Professor,
Ed. of Publishing House: A. A. Isl.; Tech. Ed.: I. P. Polyakova.
- PURPOSE: This collection of papers is intended for scientific
research workers and engineers in the field of design and con-
struction of pneumatic and hydraulic equipment and accessories
for automation.
- COVERAGE: This collection contains papers read at the Seminar on
Pneumatic and Hydraulic Devices for Automation, May 28, 1957.
The collection is divided into the following three groups: 1)
described pneumatic and hydraulic circuits; 2) pneumatic
and hydraulic control systems including regulating units, transmitters
and auxiliary equipment; and 3) special-purpose devices,
pneumatic and hydraulic relays, pneumatic and hydraulic
devices for automation, such as controlled and uncontrolled
nozzles and diaphragms. No personalities are mentioned. Refer-
ences follow several of the papers.
- Berezovskiy, G. T. Moscow, Pneumatic Ratio Controllers
Without Mechanical Dividers 122
Types RS-1 and RS-2 ratio controllers are described. The
change of ratio in relation to the throttle opening and the
primary pressure is discussed.
- Zalanskiy, A. I. and A. I. Semikova. Moscow, Designing a Non-
Linear Transformation in Pneumatic Systems by Means of "Nozzle-
Tube" Type Elements 128
The paper discusses the first stage of an investigation
into the possibility of designing a non-linear transformation in
pneumatic systems by means of "nozzle-tube" type elements.
It is shown that a non-linear transformation can be designed by
type relay consisting of a nozzle and a diaphragm. The
functioning and possible uses of this device are described.
with. Schematic diagrams of the relay and photographs of the
experimental installation are shown.
- Berends, T. K. and A. A. Taly. Moscow, Possibility of Con-
structing a Pneumatic Regulator With Automatic Response to Load
Changes 148
Gidrovskiy, Yu. I. Moscow, Extremal Pneumatic Regulator, 145
The basic principles of an extremal regulator for main-
taining constant maximum or minimum values in an automated
system are discussed. A schematic diagram is presented, and
the construction is described. Results of laboratory testing
are given.
- Puzenko, V. I. Moscow, Automatic Installation for Compressed
Air Supply 165
A description is given of an installation with units of
sample construction (rotary liquid piston compressor and
the construction) for securing a continuous supply of
clean and dry compressed air.

BERENDS, T. K. (IAT AN SSSR)

"Apparatus for the Automatic Adaption of the Air Pressurized air Regulator to the Regulated Object on a Change of Load"

report presented at the Scientific Seminar on Pneumo-Hydraulic Automation, 28-29 May 1957, at the Inst. for Automation and Remote Control (IAT), Acad. Sci. USSR

Avtomika i Telemekhanika, 1957, Vol. 18, No. 12, pp. 1148-1150, (author SEMIKOVA, A. I.)

BERENDEYEV, A.V., doktor tekhn. nauk, prof. [deceased]

Application of the calculus of tensors and the geometry of
Riemann spaces to linear bound systems. Izv. LETI no.47:
143-156 '62. (MIRA 16:12)

BERENDEY, A.Ye.

Characteristics of the stem and root scions grafted on an apple tree. Biul.Glav.bot.sad no.52:101-102 '64. (MIRA 17:4)

1. Krasnokutskiy opornyy punkt sadovodstva g. Krasnokutsk Khar'kovskoy oblasti.

BERENDEY, A. Ye.
BERENDEY, A. Ye.

Specific variety in the plantations of the Krasnokutsk Park. Biul.
Glav. bot. sada no. 28:3-11 '57. (MIRA 11:1)

1. Krasnokutskiy opornyy punkt sadovodstva s dendroparkom.
(Krasnokutsk District--Arboretums)
(Trees) (Shrubs)

BERENDEROVA, I.

Estimation of residual amounts of penicillin in dried penicillin
mycelia. Cesk. hyg. 10 no.3:245-246 My '65

1. Vyskumny ustav hygieny, Bratislava.

BERENDEY, A.Ye

Changes in the heredity of strawberry hybrids as influenced by
mentors. Agrobiologiya no.6:59-62 N-D '56. (MIRA 10:1)

1. Krasnokutskiy opornyy punkt plodovodstva, Khar'kovskaya oblast'.
(Strawberry breeding)

BERENDEY, A.Ye.

Methods of grafting strawberries (*Fragaria grandiflora*). Bot.zhur.
[Ukr.] 11 no.2:86-90 '54. (MLRA 8:7)

1. Ukrains'kiy naukovo-doslidniy institut plodivnitstva.
(Strawberries) (Grafting)

BEREND, Richard

Flowmeter with reducing opening and conic float. Magy kem lap
16 no.12:560-565 D '61

1. Neheszvegyipari Kutato Intezet.

BEREND MIKLOS PROCESSES AND PROPERTIES INDEX

CA IIE

Vitamin B₂ and suprarenal glands. Flavin content of intestinal liquids of normal rats, of rats poisoned by iodoacetic acid, and of rats deprived of suprarenal glands. Miklos Berend (Physiol. Inst., Budapest, Hung.). *Orvosi Lapja Népegészségügy* 2, 695-7(1946).—A part of the intestine of fasting 150-200-g. rats was washed out with isotonic NaCl soln., and filled with isotonic glucose soln., and after 1 hr. the content of flavin was detd. in this soln. In normal rats it contained 0.20 γ flavin before washing out and 0.17 after washing. The resp. values for rats subcutaneously injected with 0.13 cc. iodoacetic acid (as its Na salt) were 0.38 and 0.40 γ , and for rats after removal of the suprarenal glands 0.37 and 0.37. The liver of normal rats contained 1.04-2.30 γ of free flavin in 1 g. liver and 12.63-22.24 γ total flavin. II. avitaminotic and adrenalectomized rats showed values 0.40-1.17 and 1.09-2.00. The expts. seem to show that the suprarenal glands have a preserving effect on the yellow enzyme. III. Flavin content of liver of rats under normal conditions, during heavy work, and after removal of the celiac glands. *Ibid.* 897-9. —Rats were investigated (1) under normal conditions, (2) under forced running movements, and (3) after removal of celiac glands without any work. In these resp. groups, the av. wts. of liver were 6.03, 6.90, and 5.44 g.; contents of liver in diffusible flavin 1.67, 5.62, and 2.19 γ /g., in total flavin 16.32, 15.70, and 7.82 γ /g. Flavin contents were detd. by the method of Euler. István Fényi

ASH SLA METALLURGICAL LITERATURE CLASSIFICATION

Country : HUNGARY
Category: Cultivated Plants. Fruits. Berries

M

Abs Jour: RZhBiol., No 22, 1958, No 100467

the rows, crop standardization, control of diseases and pests, - are presented from the point of view of protecting apricot from damage (The beginning of the article has been published in the magazine "Kerteszeti és szőlészeti", 1957, 6, No 7, 16-17.). -- F. Yu. Grabar'

Card : 2/2

Country : HUNGARY
Category: Cultivated Plants. Fruits. Berries.

M

Jbs Jour: RZhBiol., No 22, 1958, No 100467

Author : Csorba, Zoltan; Berend, Istvan

Inst : -

Title : Contemporary Basic Aspects of the Protection
of Apricot from Injuries. II. (Fruit Bearing
Apricot Tree).

Orig Pub: Kerteszeti és szőlészeti, 1957, 6, No 8, 12-14

Abstract: The problems of the agricultural technique
for fruit bearing apricot in Hungary are
examined. Individual agro-technical mea-
sures, such as protection of the trees
from adverse meteorological conditions,
fertilizing, upkeep of the spaces between

Card : 1/2

M-169

BEREND, I.

Our most valuable fodder plant is alfalfa; the national conference of exchange of experiences in the matter of planting alfalfa held in Szarvas. p. 4. (Magyar Mezogazdasag, Vol. 11, no. 7, Apr. 1956 Budapest)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

HEREND, I.

When and how weeding by chemicals should be done. II. p. 3. (Magyar Mezőgazdaság. Vol. 11, no. 7, Apr. 1956 Budapest)

SO: Monthly List of East European Accession (REAL) LC, Vol. 6, no. 7, July 1957. Uncl.

BEREND, I.

Last year's experiences with weeding by chemicals. p. 9. (Magyar Mezőgazdaság, Vol. 11, no. 5, Mar. 1956 Budapest)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

BENCHE, I.

"The planning of technical development," p. 1. *Technika*, Vol. 7, no. 10, Oct 1953, Budapest, Hungary.

53. Monthly List of the East European Publications, Vol. 3, no. 1, April 1954

BEREND, Erno, dr.; FINKE, Julianna

Problems in infant mortality in the Somogy area. Napegeszsegugy 12:
367-374 D '61.

1. Kozlemeny a Somogy megyei Tanacs VB. Egeszegugyi Osztalyarol (megyei
foorvos: Berend Erno dr.)

(INFANT MORTALITY statist)

BEREND, Eno, dr. | ~~Eno, dr.~~ dr.

Experiences in fly control with Pervil and Cesarol M in
Somogy County. Nepegeszsegugy 45 no.3:86-88 Mr'64

*

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204800041-6

BEREND, Endre, dr.

Questions of orthopedic supply of workers with standing occupations.
Munkavedelem 6 no.10/12:25-32 '60.

GLAUBER, Andor, dr.: BEREND, Endre, dr.

Problems of acrylate and vitallium arthroplasty in the hip joint.
Orv. hetil. 97 no.26:707-712 24 June 56.

1. A Budapesti Orvostudományi Egyetem Orthopaediai Klinikájának
(mb. igazgató: Glauber, Andor dr. egyet. docens.) közleménye.

(HIP, surg.

arthroplasty, acrylic endoprosth. & vitallium
capping, evaluation & indic. (Hun))

(ACRYLIC RESINS

coxarthroplasty, endoprosth., evaluation & indic. (Hun))

(VITALLIUM

coxarthroplasty, capping, evaluation & indic. (Hun))

L 29662-66 IJP(c)

ACC NR: AP6020136

SOURCE CODE: HU/0034/65/013/004/0353/0360

AUTHOR: Berencz, Ferenc

ORG: Institute for Theoretical Physics, Jozef Attila Scientific University, Szeged
(Jozef Attila Tudományegyetem Elméleti Fizikai Intézete)

TITLE: Calculation of $1s\sigma$ sup $1S$ states of the H_2 molecule by the molecular path method. Part 2

SOURCE: Magyar fizikai folyóirat, v. 13, no. 4, 1965, 367-380

TOPIC TAGS: hydrogen, molecule, electron energy

ABSTRACT: [Part 1 of this series was published in Acta Phys. Hung., Vol 16, 1963, p 49] The calculation of the $1s\sigma$ and $1s3s$ states of the H_2 molecule was accomplished with the aid of the LCAO-MO method. The method proved useful for both the basic and the excited state. In an appendix (pp 355-360) the determination of a number of newly described twin-centre integrals, required for the calculation of the electron energy, was presented. Orig. art. has 12 formulas. [JPRS]

SUB CODE: 20/ SUBM DATE: 05Dec64 / ORIG REF: 001/ OTH REF: 008

Card 1/1 CC

BERENCZ, Ferenc

Further development of the method of the configuration
interaction using spin operators. Magy fizikafolyoir 11 no.
6: 479-488 '63.

1. Jozsef Attila Tudományegyetem Elméleti Fizikai Intézete,
Szeged.

BERENCZ, F.

The development of the configuration-interaction method by
the aid of the spin-operator method. Acta phys Hung 16 no.3:
249-259 '63.

1. Department of Theoretical Physics, Jozsef Attila University,
Szeged. Presented by Albert Konya.

BERENCZ, F.

Calculations of the $1s\sigma^1\Sigma$ state of the hydrogen molecule
on the ground of the method of molecular paths. Acta phys
Hung 16 no.1:49-56 '63.

1. Jozsef Attila Universitat, Institut fur Theoretische
Physik, Szeged. Vorgelegt von Albert Konya.

BERENCZ, F.

A further application of the method of spin operators. *Acta phys Hung* 15 no.4:351-352 '63.

1. Department of Theoretical Physics, University of Szeged, Szeged.

BERENCZ, Ferenc

Calculations of the $1s\sigma^2$ conditions of H_2 molecule using
the method of molecule orbits. Magy fiz folyoir 11 no.4:
261-267 '63.

1. Jozsef Attila Tudományegyetem Elméleti Fizikai Intézete
Szeged.

BERENCZ, F.

The relation between Lowdin's spin projection operator and Pratt's spin operator. Acta phys Hung 12 no.1:47-53 '60. (EEAI 10:2)

1. Institut of Theoretical Physics, University of Szeged, Szeged.
Presented by A.Konya.
(Electrons) (Nuclear spin)

BERENCZ, F.

The role of multipolar change effect at the Van der Waals attraction.
Acta phys Hung 12 no.1:1-12 '60. (EEAI 10:2)

1. Institut fur Theoretische Physik der Universitat, Szeged. Vorgelegt
von A.Konya.
(Molecular dynamics)

BERENCZ, Ferenc

On integrals occurring in quantum-mechanical computations. II.
Magy fiz folyoir 8 no.4:285-292 '60. (EEAI 10:2)

1. Egyetemi elméleti Fizikai Intezet, Szeged.
(Quantum mechanics)

~~BERENCZ, Ferenc~~

The relation between Lowdin's spin projection operator and Pratt's spin operator. Magy fiz folyoir 8 no.3:223-228 '60. (EEAI 10:1)

1. Egyetemi Elméleti Fizikai Intezet, Szeged.
(Nuclear spin)

BERENCZ, Ferenc

On integrals occurring in quantum-mechanical computations. I. Magyar Folyoir 8 no.3:199-206 '60. (EEAI 10:1)

1. Egyetemi Elméleti Fizikai Intézet, Szeged.
(Quantum mechanics) (Integrals)

BERENCZ, Ferenc

The role of multipolar mutual effects in Van der Waals attractions.
Magy fiz folyoir 8 no.2:83-94 '60. (EEAI 9:10)

1. Egyetemi Elmeteti Fizikai Intezet, Szeged.
(Molecules) (Electric moment)

BERENCZ, F.

On the electronic correlations in the eigenfunction of the ground state of hydrogen molecules. In German. Acta phys. Hung. 10 no.4: 389-405 '59. (EEAI 9:4)

1. Institut for Theoretische Physik der Universitet, Szeged.
(Hydrogen) (Electrons) (Molecules)

Two-center integrals

S/044/62/000/002/066/092
C111/C222

The table values are mainly given with 9 significant numbers (or 9 decimal places) for $\alpha = 0.5(0.25)2.5$, $\beta = 0.5(0.25)2.5$; $i, k, l, m, n = 0, 1, 2$.

[Abstracter's note: Complete translation.]

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